

Current position

Associate Professor in Infectious Diseases of Domestic Animals (SSD VET/05), Department of Comparative Biomedicine and Food Science (BCA), University of Padua (since 2018)

Previous work experience

- 2002-2018: Assistant Professor in Infectious Diseases of Domestic Animals (SSD VET/05), Department of Comparative Biomedicine and Food Science (BCA), University of Padua
- 2001-2002: Research fellowship, Virology and Serology Department, Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, Bruno Ubertini, Brescia
- 2000: Internship (1 year), Avian Virology, Veterinary Laboratories Agency, Weydridge, Addlestone, Surrey (UK)
- 1999-2001: Postdoctoral scholarship, Faculty of Veterinary Medicine, University of Naples Federico II
- 1995-1997: Doctoral scholarship, Faculty of Veterinary Medicine, University of Naples Federico II

Education

- 2015: De Facto Diplomate of the European College of Poultry Veterinary Science (ECPVS)
- 2008: Specialization diploma in Technology and Pathology of avian, rabbit and game species, Faculty of Veterinary Medicine, University of Milan
- 1998: PhD degree in Pathology of avian, rabbit and game species, Faculty of Veterinary Medicine, University of Naples Federico II
- 1994: Passed the National board examination for the Veterinary Practice
- 1994: Degree in Veterinary Medicine (DVM), Faculty of Veterinary Medicine, University of Naples Federico II

Research interests

- *Campylobacter* spp. infections of domestic animals, in particular commercial poultry (chickens and turkeys), companion and wild birds, companion animals (dogs, cats and reptiles), rabbits and cattle
- Antimicrobial resistance of animal bacteria, in particular *Escherichia coli* and *Campylobacter* spp. isolated from commercial poultry (chickens and turkeys) and domestic and wild lagomorphs
- Antimicrobial resistance of microbial communities in manure from intensive animal farms (chicken, cattle and swine) and fertilized agricultural soil
- Respiratory diseases of commercial poultry, in particular infectious laryngotracheitis virus (ILTV) in chickens and avian influenza viruses in domestic animals
- Diseases of domestic and wild lagomorphs, in particular gastrointestinal diseases caused by *Escherichia coli* and some protozoal infections
- Productive diseases of chickens, in particular white striping and wooden breast

- Study, analysis and dissemination of biosecurity measures applied in the poultry industry

Teaching activity

- Since 2019/20: Lecturer of Food Microbiology and Food Microbial Biotechnology (module), Master Degree in Biotechnologies for Food Science (English curriculum), University of Padua
- Since 2018/19: Lecturer of Epidemiology and biotechnology applied to foodborne zoonoses (module), Master Degree in Biotechnologies for Food Science (Italian curriculum), University of Padua
- Since 2006/07: lecturer of Epidemiology and biotechnology applied to foodborne zoonoses (module), Master Degree in Biotechnologies for Food Science (Italian curriculum), University of Padua
- Since 2008/09: Supervisor of the Training activity Pathology of Avian Species, Degree in Veterinary Medicine, University of Padua
- Since 2002/03: lecturer of Avian Pathology (module), Degree in Veterinary Medicine, University of Padua
- 2016/17 to 2017/18: Lecturer of Food Microbiology and Food Microbial Biotechnology (module), Master Degree in Biotechnologies for Food Science (English curriculum), University of Padua
- 2009/10: Lecturer of Veterinary Bacteriology and Virology, Degree in Veterinary Medicine, University of Padua
- 2005/06 to 2007/08: Lecturer of Veterinary Virology, Degree in Veterinary Medicine, University of Padua
- 2004/05: Lecturer of Veterinary Microbiology, Degree in Animal Science and Technology & Safety and Hygiene of Food Products, University of Padua

Supervision of undergraduate and graduate students, doctoral and postdoctoral fellows

- Since 2008: Supervisor of 6 PhD students (School of Veterinary Science), co-supervisor of 1 PhD student (School of Veterinary Science), 1 post-doc student, University of Padua
- Since 2015: Supervisor for the internship (3 months stays) of 5 PhD students from the University of Tehran (Iran), University of Ibadan (Nigeria), Mehmet Akif Ersoy University (Turkey) and University of Monastir (Tunis)
- Since 2005: Supervisor of 55 undergraduate students (Degrees of Veterinary Medicine, Biotechnologies for Food Science, Food Science and Technology, Animal Science and Technology), 1 master student (Higher Level Training Course in Management and valorisation of captive wildlife: conservation, welfare, education), 7 specialty students (Specialisation Schools in Inspection of Food of Animal Origin and in Animal Health, Husbandry and Livestock), University of Padua
- Since 2005: Co-supervisor of about 10 undergraduate students (Degrees of Veterinary Medicine, Livestock Science and Technology, Animal Science and Technology, Safety and Hygiene of Food Products, Health Biotechnology), University of Padua, University of Milan and University of Bologna

Principal Investigator (PI) of Research Projects

- 2020: Network facilitator, NETPOULSAFE - Networking European poultry actors for enhancing the compliance of biosecurity measures for a sustainable production (H2020-RUR-15-2018-2019-2020, EU)

- 2019: Whole Genome Sequencing (WGS) of *Campylobacter* spp. isolates from wild birds (DOR)
- 2018: Genetic characterization of *Campylobacter jejuni* and *Campylobacter coli* isolates from Spotty Liver Disease cases in poultry (DOR)
- 2017: Survey on *Campylobacter geocheloni* sp. nov. distribution in chelonians in Triveneto (DOR)
- 2016: Extended-spectrum β -lactamase (ESBL)/AmpC-producing *Escherichia coli* along the broiler production chain (BIRD)
- 2016: Use of antimicrobials in farm animals and its impact on public health and the environment: spread of resistance and toxicity on non-target organisms (PRIN)
- 2016: Detection of colistin resistance *mcr-1* gene in avian pathogenic *Escherichia coli* pathogens isolated from poultry (DOR)
- 2015: Genetic characterization of ESBL/AmpC and PMQR plasmids in avian pathogenic *Escherichia coli* isolated from poultry (EX 60%)
- 2014: Detection of plasmid-mediated fluoroquinolones resistance determinants in avian pathogenic *Escherichia coli* isolated from poultry (EX 60%)
- 2013: Phenotypic and genotypic characterization of ESBL *Escherichia coli* isolated from commercial and wild birds (EX 60%)
- 2011: Phylogenetic analysis of Psittacine Beak and Feather Disease (PBFDV) and Avian Polyomavirus (APV) strains (EX 60%)
- 2009: Determination of antimicrobial resistance profiles and presence of class 1 and 2 integrons in *Escherichia coli*, *Salmonella* spp. and *Campylobacter* spp. strains isolated from reared and wild avian species and exotic pet birds and reptiles in Northern Italy (PRAT)
- 2009: Molecular differentiation between field and vaccine strains of avian infectious laryngotracheitis virus (EX 60%)
- 2008: Serological survey of influenza type A viruses in dogs and cats in Veneto (EX 60%)
- 2007: Serological survey of influenza type A viruses in cats in Veneto (EX 60%)

Participation to 12 national and international research projects funded by the Italian Ministry of Health, University of Padua, Veneto Region (PSR), Cariverona, Italian Ministry of University, Research and Education, 6th Framework Programme Priority SSP/8.1 (EU)

Additional information

- Since 2019: Management Committee Member, WG4 Core Group Member, Chair of the Drafting Group “Veterinary guidelines on antimicrobial use in poultry colibacillosis”, Mentor of the ECIs dr. Ilias Apostolakos (Greece) e Surya Paudel (Austria), COST Action CA18217 “ENOVAT - European Network for Optimization of Veterinary Antimicrobial Treatment”
- Since 2019: Member of the Examination Committee of the European College of Poultry Veterinary Science (ECPVS)
- 2019: Italian National Scientific Qualification (ASN) for full professor, scientific discipline VET/05 (Infectious Diseases of Domestic Animals), macro-sector 07/H3 (Infectious and Parasitic Animal Diseases)

- 2017-2018: Ordinary Board Member of the European College of Poultry Veterinary Science (ECPVS)
- 2016-2017: Member of the Credentials Committee of the European College of Poultry Veterinary Science (ECPVS)
- 2012-2017: Officer of the Veterinary Chamber of Padua
- 2010-2013: Scientific secretary of the Italian Branch of the World Veterinary Poultry Association (WVPA)

Author of nearly 180 research papers and conference abstracts published in national or international journals and proceedings; Reviewer for about 60 peer-reviewed journal; Member of the Editorial Board of the journal "Animals", Poultry Section, MDPI; Editor of the Special Issue "Antimicrobial resistance in poultry production". Animals, MDPI; Editor of the Research Topic "The role of environmental reservoirs in Campylobacter-mediated infection". Frontiers in Cellular and Infection Microbiology, Molecular Bacterial Pathogenesis Section.

Bibliometric indicators related to publications and citations in Scopus

Total number of papers: 52 (32 in Q1, 9 in Q2, 3 in Q3, 7 in Q4 according to InCites and Scimago, all in journals with IF)

Total citations: 765 (by 713 documents)

H-index: 15